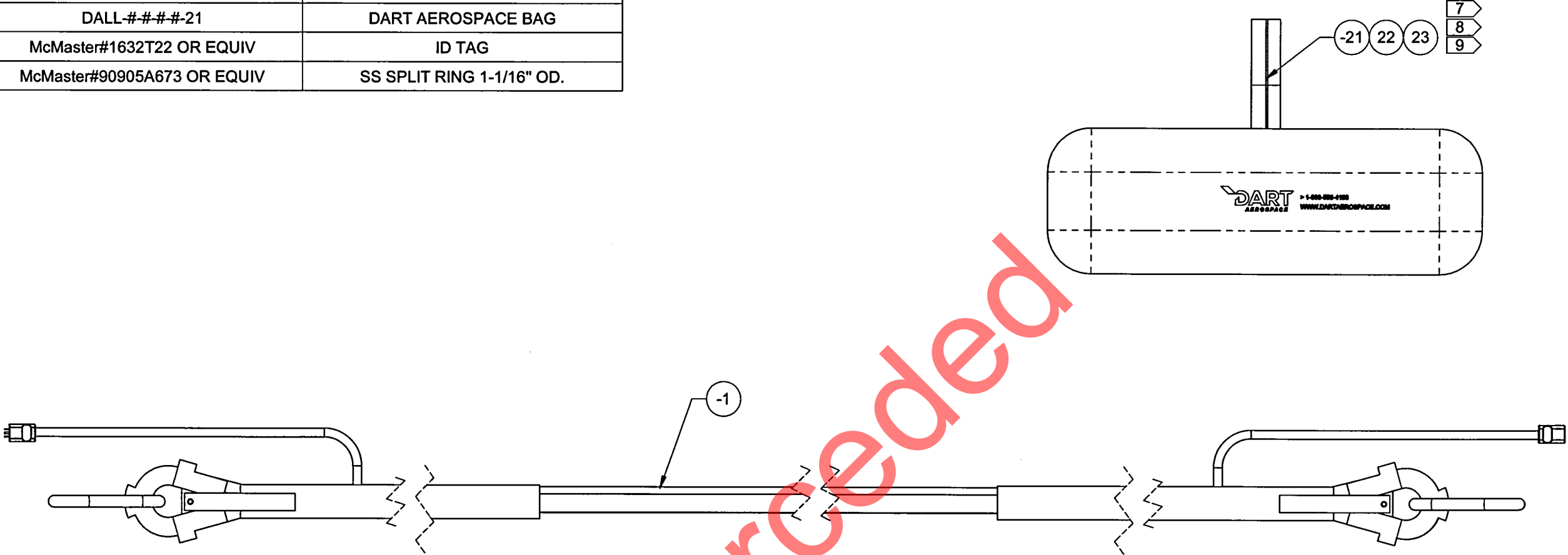


| ITEM # | QTY | PART # | PART TITLE |
|--------|-----|-----------------------------|---------------------------|
| -1 | 1 | DALL-#-#-#-1 | DART LONG LINE |
| -21 | 1 | DALL-#-#-#-21 | DART AEROSPACE BAG |
| 22 | 2 | McMaster#1632T22 OR EQUIV | ID TAG |
| 23 | 2 | McMaster#90905A673 OR EQUIV | SS SPLIT RING 1-1/16" OD. |



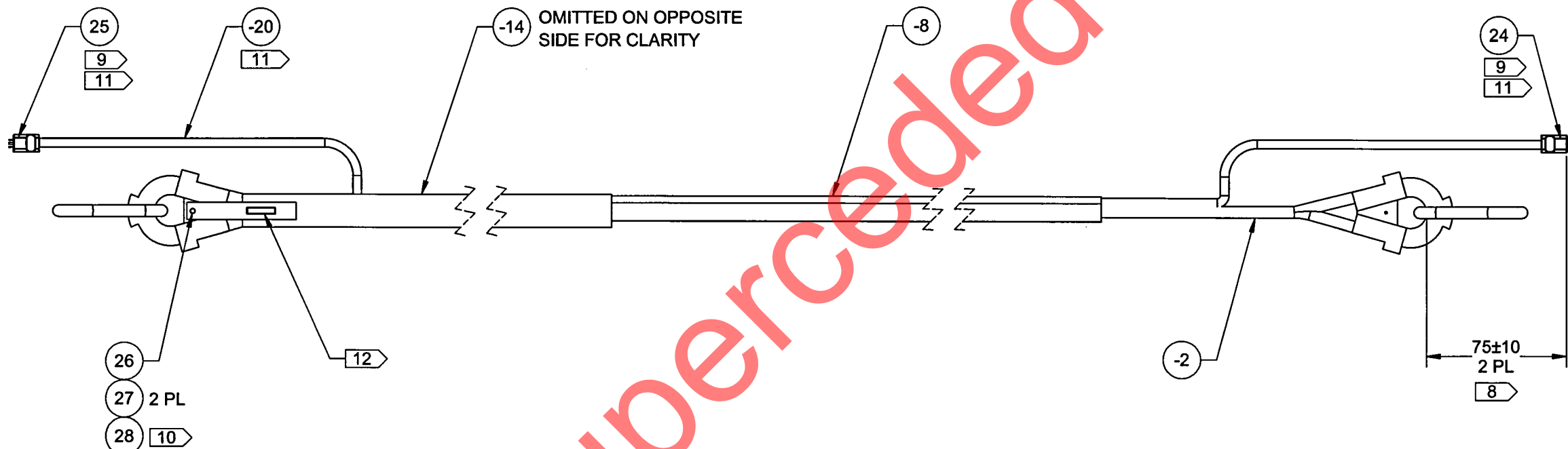
DALL-#-#-# DART LONG LINE

NOTES:
1) MATERIAL: N/A
2) HEAT TREAT: N/A
3) FINISH: N/A
4) TOLERANCES: N/A
5) UNITS: INCHES / LBS UNLESS OTHERWISE NOTED
6) BREAK SHARP EDGES: N/A
7) IDENTIFICATION: DOT MARK THE FOLLOWING INFO ONTO BOTH ID TAGS: P/N: DALL-#-#-#
W/O: XXXXXX
S/N: XXXXXX
DATE: MM/DD/YYYY

8) ATTACH ONE ID TAG TO THE BAG ZIPPER WITH THE SPLIT RING AND PLACE THE OTHER ID TAG AND SPLIT RING INTO THE BAGS SIDE POCKET
9) COIL ROPE INTO BAG

| | | | |
|--|------------|--|---------------|
| DESIGN | VM | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | |
| DRAWN | VM | | |
| CHECKED | ML | TOOL PART # | REV. B |
| MFG. APPR. | FK | DALL-#-#-# | SHEET 2 OF 23 |
| APPROVED | <i>MLe</i> | TITLE | SCALE |
| DATE 7/16/2018 | | DART LONG LINE | NTS |
| COPYRIGHT © 2018 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD. | | | |

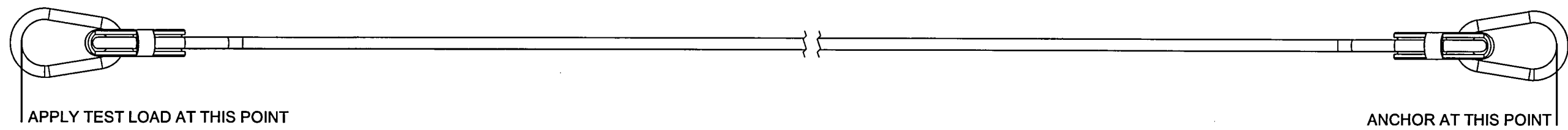
| ITEM # | QTY | PART # | PART TITLE |
|--------|-----|--|---------------------------|
| -2 | 1 | DALL-###-2 | ROPE ASSY |
| -8 | 1 | DALL-###-8 | ORANGE JACKET ASSY |
| -14 | 2 | DALL-###-14 | BLUE JACKET ASSY |
| -20 | A/R | DALL-###-20 | ELECTRICAL WIRE |
| 24 | 1 | PASS & SEYMOUR #PS5969Y or McMaster#7216K6 | 3 PRONG FEMALE SPADE PLUG |
| 25 | 1 | PASS & SEYMOUR #PS5965Y or McMaster#7216K5 | 3 PRONG MALE SPADE PLUG |
| 26 | 2 | AN3C10A | BOLT |
| 27 | 4 | NAS1149C0363R | FLAT WASHER |
| 28 | 2 | MS21044C3 | HEX NUT |



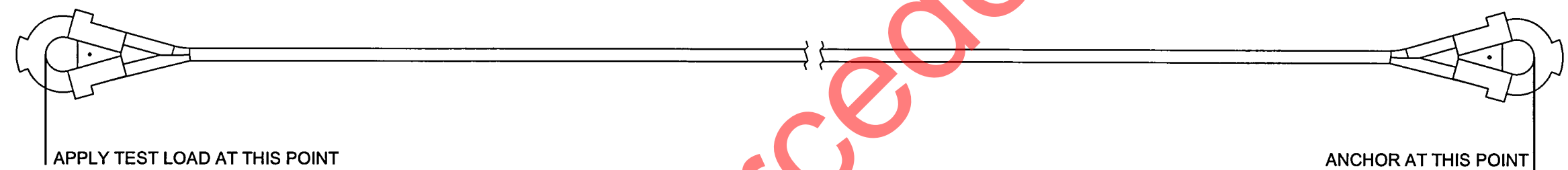
DALL-###-1 DART LONG LINE

- NOTES:
- 1) MATERIAL: N/A
 - 2) HEAT TREAT: N/A
 - 3) FINISH: N/A
 - 4) TOLERANCES: X = +/- 1"
X.X = +/- 0.5"
X.XX = +/- 0.25"
UNLESS OTHERWISE NOTED
 - 5) UNITS: INCHES / LBS UNLESS OTHERWISE NOTED
 - 6) BREAK SHARP EDGES: N/A
 - 7) IDENTIFICATION: STAMP S/N USING 0.25" STAMPS ONTO THE SIDE OF EACH THIMBLE. USING PERMANENT INK ADD S/N TO THE FABRIC LABEL.
 - 8) CUT ELECTRICAL WIRE TO LENGTH AS SHOWN
 - 9) INSTALL ITEM 24 AND 25 USING INDUSTRY STANDARD TECHNIQUES. ATTACH GREEN WIRE (IF APPLICABLE) TO THE GROUND PIN, ATTACH WHITE WIRE TO THE NARROW BLADE TERMINAL, ATTACH THE BLACK WIRE TO THE WIDE BLADE TERMINAL. ONLY INCLUDE ITEM 24 AND 25 WITH DALL-###-A AND DALL-###-B
 - 10) TIGHTEN NUT UNTIL IT CONTACTS FABRIC (1-4 BOLT THREADS MUST BE EXPOSED)
 - 11) ELECTRICAL CABLE MUST BE FREE OF DAMAGE OR NICKS TO THE INSULATION, ELECTRICAL CONNECTORS MUST BE SECURELY INSTALLED. PERFORM CONTINUITY CHECK TO ENSURE THERE IS NO SHORT AND THAT CABLES ARE CONNECTED PROPERLY
 - 12) SEW A WHITE FABRIC LABEL ONTO THE DALL-###-14 BLUE JACKET APPROXIMATELY AS SHOWN. THE LABEL MUST INCLUDE THE FOLLOWING: DART AEROSPACE LTD.
P/N: DALL-###-#
S/N:
DATE: MM/DD/YYYY

| | | | |
|--|-----------|--|---------------|
| DESIGN | VM | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | |
| DRAWN | VM | | |
| CHECKED | ML | TOOL PART # | REV. B |
| MFG. APPR. | FK | DALL-###-# | SHEET 3 OF 23 |
| APPROVED | <i>ML</i> | TITLE | SCALE |
| DATE 7/16/2018 | | DART LONG LINE | NTS |
| COPYRIGHT © 2018 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD. | | | |



DALL-##-A-2 ROPE ASSY
DART LONGLINE ASSEMBLY WITH PEAR SHAPED LIFTING RING OPTION



DALL-##-B-2 ROPE ASSY
DART LONGLINE ASSEMBLY WITHOUT PEAR SHAPED LIFTING RING OPTION

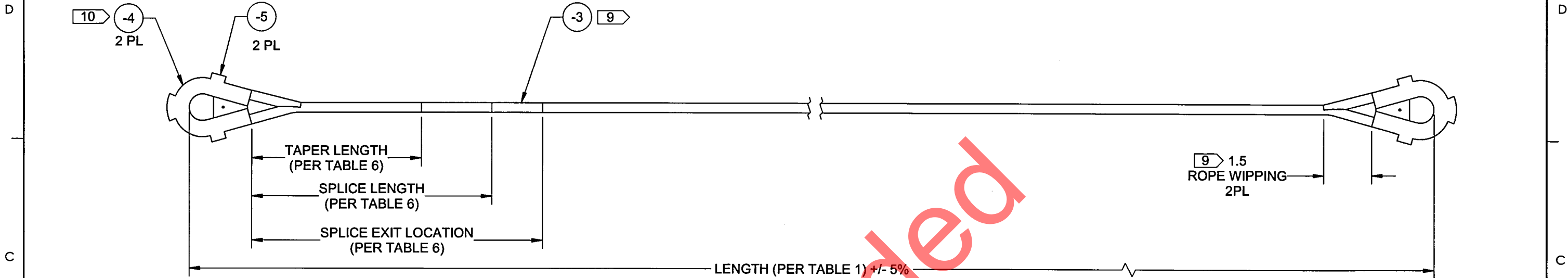
| TABLE 5 ROPE LOAD TEST | |
|--------------------------------------|--------------------|
| DART LONGLINE PART NUMBER CODE | TEST LOAD (LBS) |
| DALL-#-A-## | 7500 |
| DALL-#-B-## | 9000 |
| DALL-#-C-## | 13 200 |
| DALL-#-D-## | 16 200 |
| DALL-#-E-## | 21 900 |
| DALL-#-F-## | 29 100 |
| DALL-#-G-## | 39 600 |

8
9
B

- NOTES:
- 1) MATERIAL: N/A
 - 2) HEAT TREAT: N/A
 - 3) FINISH: N/A
 - 4) TOLERANCES: N/A
 - 5) UNITS: INCHES / LBS UNLESS OTHERWISE NOTED
 - 6) BREAK SHARP EDGES: N/A
 - 7) IDENTIFICATION: N/A
 - 8) THE DALL-##-##-2 MUST BE LOAD TESTED TO 3X THE WORKING LOAD (PER TABLE 5) FOR 5 CONTINUOUS MINUTES.
INSPECT ROPE AFTER LOAD TEST TO ENSURE THERE ARE NO BROKEN OR DAMAGED STRANDS.
FRAYING AND DAMAGE TO THE ROPE IS NOT ACCEPTABLE. INSPECT THIMBLE TO ENSURE THERE IS NO DISTORTION OR DAMAGED WELDS.
 - 9) CARE MUST BE TAKEN TO PREVENT DAMAGE DURING TESTING.
 - 10) A TEST REPORT IS REQUIRED

| | | | |
|--|--------------------|-----------------------------|---------------|
| DESIGN | VM | DART AEROSPACE LTD | |
| DRAWN | VM | HAWKESBURY, ONTARIO, CANADA | |
| CHECKED | ML | TOOL PART # | REV. B |
| MFG. APPR. | FK | DALL-##-## | SHEET 4 OF 23 |
| APPROVED | <i>[Signature]</i> | TITLE | SCALE |
| DATE 7/16/2018 | | DART LONG LINE | NTS |
| <small>COPYRIGHT © 2018 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small> | | | |

| ITEM # | QTY | PART # | PART TITLE |
|--------|-----|-------------|----------------|
| -3 | 1 | DALL-###-#3 | ROPE |
| -4 | 2 | DALL-###-#4 | FABRIC WEARPAD |
| -5 | 2 | DALL-###-#5 | THIMBLE ASSY |



DALL-###-#2 ROPE ASSY
(SHOWN ASSEMBLED)

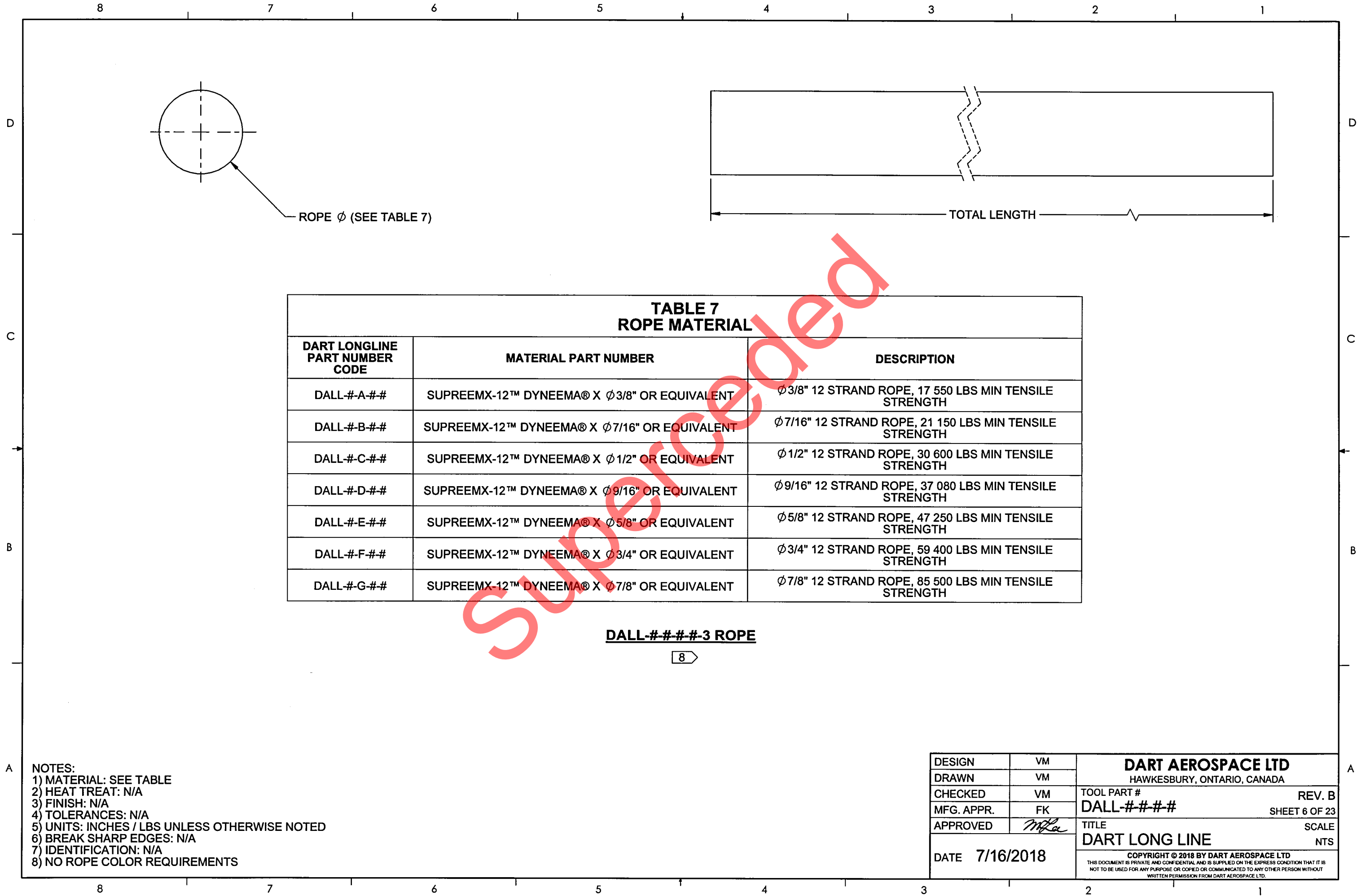
TABLE 6
FABRICATION MEASURMENTS

| DART LONGLINE PART NUMBER CODE | SPLICE LENGTH (INCHES) | TAPER LENGTH (INCHES) | SPLICE EXIT LOCATION (INCHES) | THIMBLE CIRCUMFRENCE (INCHES) |
|-----------------------------------|---------------------------|--------------------------|----------------------------------|-------------------------------------|
| DALL-#A-#-# | 25 | 8 | 30 | 9 |
| DALL-#B-#-# | 30 | 10 | 35 | 10 |
| DALL-#C-#-# | 35 | 10 | 40 | 10 |
| DALL-#D-#-# | 40 | 13 | 50 | 10 |
| DALL-#E-#-# | 45 | 13 | 55 | 14 |
| DALL-#F-#-# | 50 | 16 | 65 | 14 |
| DALL-#G-#-# | 60 | 20 | 75 | 17 |

NOTES:

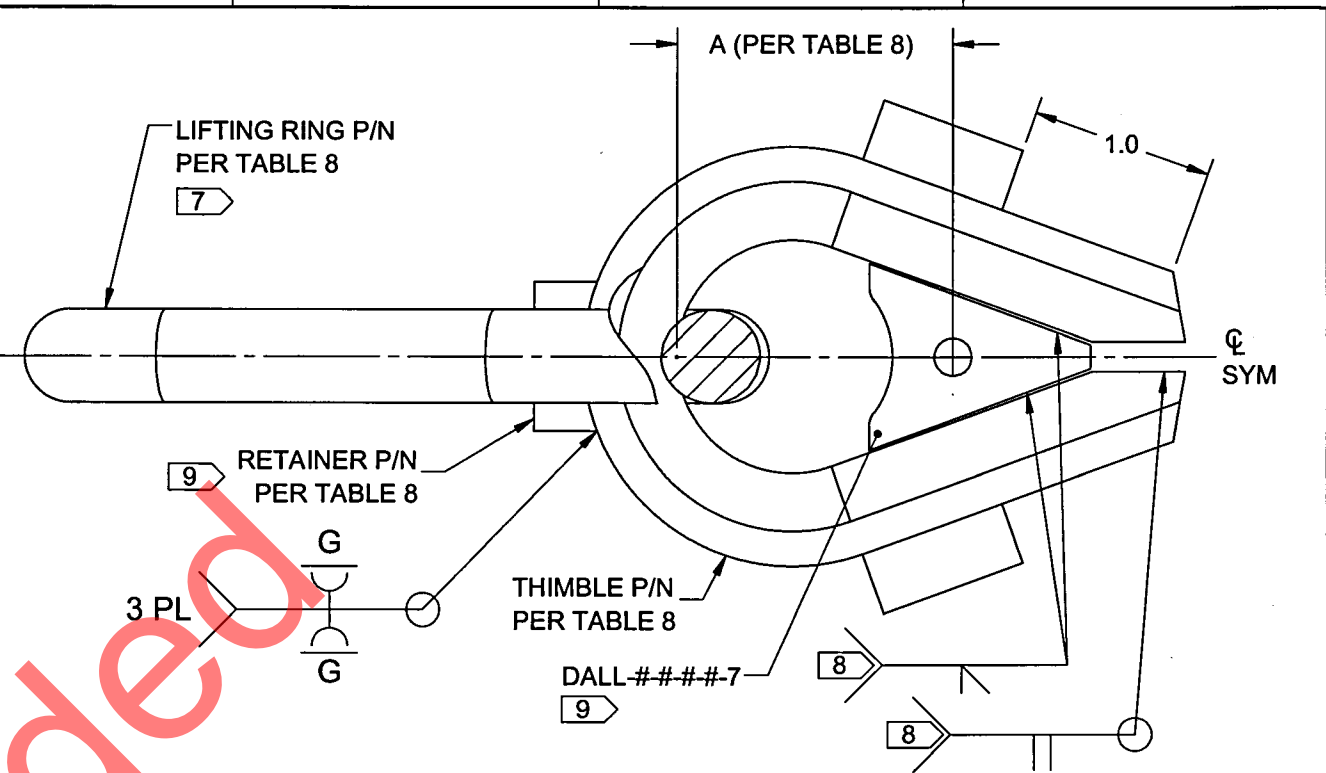
- 1) MATERIAL: N/A
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: X = +/- 1"
X.X = +/- 0.5"
X.XX = +/- 0.25"
UNLESS OTHERWISE NOTED
- 5) UNITS: INCHES / LBS UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: N/A
- 7) IDENTIFICATION: N/A
- 8) ROPE CUT LENGTH FORMULA = (SPLICE LENGTH PER TABLE 6 + 3" + THIMBLE CIRCUMFERENCE PER TABLE 6) + (REQUIRED TOTAL LENGTH - 1%)
- 9) PREPARE THE ROPE SPLICE AS FOLLOWS:
 - A) MEASURING FROM THE END OF THE ROPE, MARK THE SPLICE LENGTH, TAPER LENGTH AND EXIT LOCATION PER TABLE 6
 - B) PASS THE ROPE THROUGH THE THIMBLE AND FABRIC WEARPAD UNTIL THE SPLICE LENGTH MARK IS 1.5" FROM THE BASE OF THE THIMBLE
 - C) MAKE A MARK 1.5" FROM THE BASE OF THE THIMBLE ON THE OTHER SIDE OF THE ROPE (BESIDE THE FIRST SPLICE LENGTH MARK)
 - D) PLACE THE END OF THE ROPE IN THE SPLICING FID
 - E) AT THE LOCATION MARKED AT STEP "C", CAREFULLY INSERT THE SPLICING FID IN THE CENTER OF THE ROPE
 - F) WORK THE SPLICING FID ALONG THE HOLLOW CENTER OF THE ROPE AND EXIT AT THE SPLICE EXIT LOCATION MARK MADE EARLIER
 - G) REMOVE THE SPLICING FID
 - H) MARK EVERY FOURTH "S" / "Z" STRAND STARTING AT THE TAPER MARK. CUT AND REMOVE THE MARKED STRANDS
 - I) MARK AND THEN CUT THE NEXT THREE CONSECUTIVE STRANDS NEAR THE END OF THE ROPE
 - J) CUT THE TIP OF THE REMAINING STRANDS AT AN ANGLE
 - K) CAREFULLY SMOOTH THE ROPE AWAY FROM THE THIMBLE (THE TAPER WILL NOW BE INSIDE OF THE ROPE)
 - L) ENSURE THE MARKS CLOSEST TO THE THIMBLE ARE ALIGNED (APPROXIMATELY 1.5" FROM THE BASE OF THE THIMBLE)
 - M) ONCE THE ROPE SPLICE IS COMPLETE THE ROPE MUST BE TIGHTLY "WHIPPED" AT APPROXIMATELY 1.5" FROM THE BASE OF THE THIMBLE USING 5-10 WRAPS OF 1/16" CORD.
 - N) REPEAT THE STEPS ABOVE ON THE OPPOSITE SIDE OF THE LONGLINE.
- 10) THE -4 FABRIC WEARPAD MUST BE MANUFACTURED FROM ABRASION RESISTANT NYLON OR ARAMID FABRIC. THE WEARPAD MUST TIGHTLY FIT AROUND THE ROPE AND EXTEND 1.0" BELOW THE BASE OF THE THIMBLE

| | | | |
|--|-----------|--|---------------|
| DESIGN | VM | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | |
| DRAWN | VM | | |
| CHECKED | ML | TOOL PART # | REV. B |
| MFG. APPR. | FK | DALL-###-# | SHEET 5 OF 23 |
| APPROVED | <i>ML</i> | TITLE | SCALE |
| DATE 7/16/2018 | | DART LONG LINE | NTS |
| COPYRIGHT © 2018 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD. | | | |

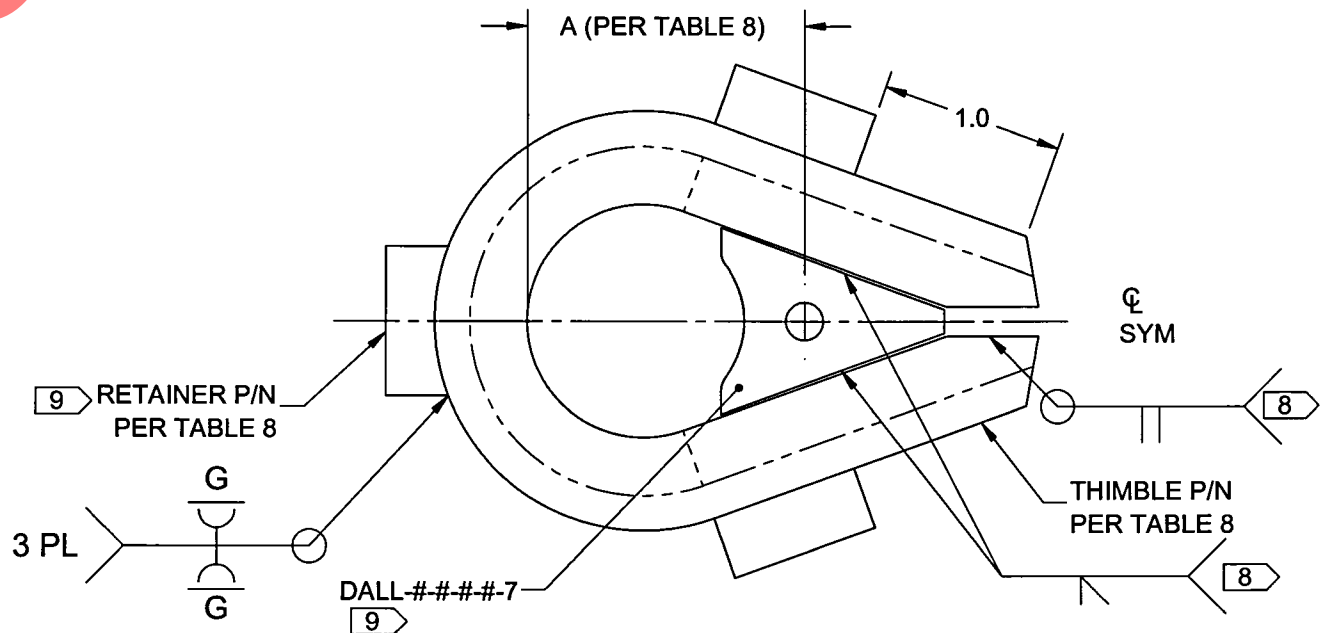


| TABLE 8 THIMBLE ASSY AND END HARDWARE (TO USE TABLE SELECT APPROPRIATE DART LONGLINE PART NUMBER CODE IN COLUMN ONE THEN MANUFACTURE THIMBLE ASSY USING ITEMS IN THE SAME ROW) | | | | | | |
|--|--------------------------|-----------------------------|----------------------|--|---|-------------|
| | | | ASSEMBLY INFO | | | |
| DART LONGLINE PART NUMBER CODE | THIMBLE ASSY PART NUMBER | DESCRIPTION | RETAINER PART NUMBER | PURCHASE THIMBLE PART NUMBER (McMASTER CARR) | PURCHASE LIFTING RING PART NUMBER (McMASTER CARR) | DIMENSION A |
| DALL-#-A-A-# | DALL-#-A-A-#5 | THIMBLE WITH 1/2" PEAR RING | DALL-#-A-A-#6 | 3495T55 OR EQUIVALENT | 3570T34 OR EQUIVALENT | 1.9" |
| DALL-#-B-A-# | DALL-#-A-A-#5 | THIMBLE WITH 1/2" PEAR RING | DALL-#-A-A-#6 | 3495T55 OR EQUIVALENT | 3570T34 OR EQUIVALENT | 1.9" |
| DALL-#-C-A-# | DALL-#-C-A-#5 | THIMBLE WITH 3/4" PEAR RING | DALL-#-C-A-#6 | 3495T56 OR EQUIVALENT | 3570T35 OR EQUIVALENT | 2.7" |
| DALL-#-D-A-# | DALL-#-D-A-#5 | THIMBLE WITH 3/4" PEAR RING | DALL-#-D-A-#6 | 3495T56 OR EQUIVALENT | 3570T35 OR EQUIVALENT | 2.7" |
| DALL-#-E-A-# | DALL-#-D-A-#5 | THIMBLE WITH 3/4" PEAR RING | DALL-#-D-A-#6 | 3495T56 OR EQUIVALENT | 3570T35 OR EQUIVALENT | 2.7" |
| DALL-#-F-A-# | DALL-#-F-A-#5 | THIMBLE WITH 3/4" PEAR RING | DALL-#-F-A-#6 | 3495T57 OR EQUIVALENT | 3570T35 OR EQUIVALENT | 3.1" |
| DALL-#-G-A-# | DALL-#-G-A-#5 | THIMBLE WITH 3/4" PEAR RING | DALL-#-G-A-#6 | 3495T61 OR EQUIVALENT | 3570T35 OR EQUIVALENT | 3.5" |
| DALL-#-A-B-# | DALL-#-A-B-#5 | THIMBLE ONLY | DALL-#-A-A-#6 | 3495T55 OR EQUIVALENT | N/A | 1.9" |
| DALL-#-B-B-# | DALL-#-A-B-#5 | THIMBLE ONLY | DALL-#-A-A-#6 | 3495T55 OR EQUIVALENT | N/A | 1.9" |
| DALL-#-C-B-# | DALL-#-C-B-#5 | THIMBLE ONLY | DALL-#-C-A-#6 | 3495T56 OR EQUIVALENT | N/A | 2.7" |
| DALL-#-D-B-# | DALL-#-D-B-#5 | THIMBLE ONLY | DALL-#-D-A-#6 | 3495T56 OR EQUIVALENT | N/A | 2.7" |
| DALL-#-E-B-# | DALL-#-D-B-#5 | THIMBLE ONLY | DALL-#-D-A-#6 | 3495T56 OR EQUIVALENT | N/A | 2.7" |
| DALL-#-F-B-# | DALL-#-F-B-#5 | THIMBLE ONLY | DALL-#-F-A-#6 | 3495T57 OR EQUIVALENT | N/A | 3.1" |
| DALL-#-G-B-# | DALL-#-G-B-#5 | THIMBLE ONLY | DALL-#-G-A-#6 | 3495T61 OR EQUIVALENT | N/A | 3.5" |

- NOTES:
- 1) MATERIAL: N/A
 - 2) HEAT TREAT: N/A
 - 3) FINISH: N/A
 - 4) TOLERANCES: X.X = +/- 0.05" / +/- 1°
 X.XX = +/- 0.01" / +/- 0.5°
 X.XXX = +/- 0.005" / +/- 0.1°
 PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
 - 5) UNITS: INCHES / LBS UNLESS OTHERWISE NOTED
 - 6) BREAK SHARP EDGES: 0.005" TO 0.010"
 - 7) SPREAD THE THIMBLE APART AS NECESSARY AT THE OPENING IN ORDER TO INSTALL THE LIFTING RING, BEND BACK INTO POSITION ONCE THE LIFTING RING IS INSTALLED
 - 8) PRESS THE THIMBLE TOGETHER UNTIL FACES ARE TOUCHING BEFORE WELDING
 - 9) TRIM/GRIND THE DALL-#-#-#-6 RETAINER AND THE DALL-#-#-#-7 GUSSET TO MATCH THIMBLE PROFILE
 - 10) THE FINISHED ASSEMBLY MUST HAVE NO SHARP EDGES OR BURRS

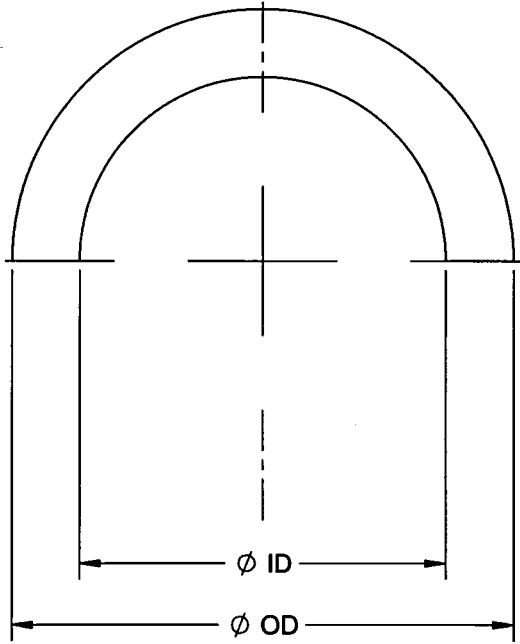


DALL-#-#-A-#5 THIMBLE ASSY
 DART LONGLINE ASSEMBLY WITH PEAR SHAPED LIFTING RING OPTION

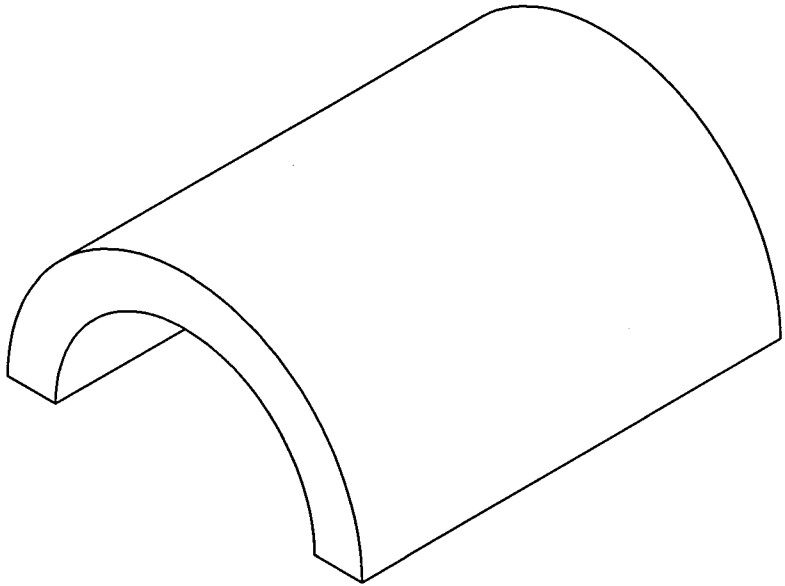
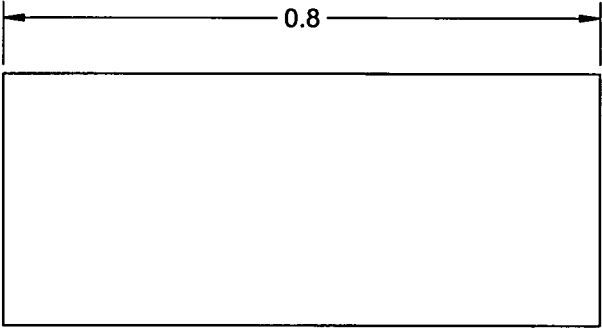


DALL-#-#-B-#5 THIMBLE ASSY
 DART LONGLINE ASSEMBLY WITHOUT PEAR SHAPED LIFTING RING OPTION

| | | | |
|---|-----------|--|---------------|
| DESIGN | VM | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | |
| DRAWN | VM | | |
| CHECKED | ML | TOOL PART # | REV. B |
| MFG. APPR. | FK | DART-#-#-# | SHEET 7 OF 23 |
| APPROVED | <i>ML</i> | TITLE | SCALE |
| DATE 7/16/2018 | | DART LONG LINE | NTS |
| <small>COPYRIGHT © 2018 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small> | | | |



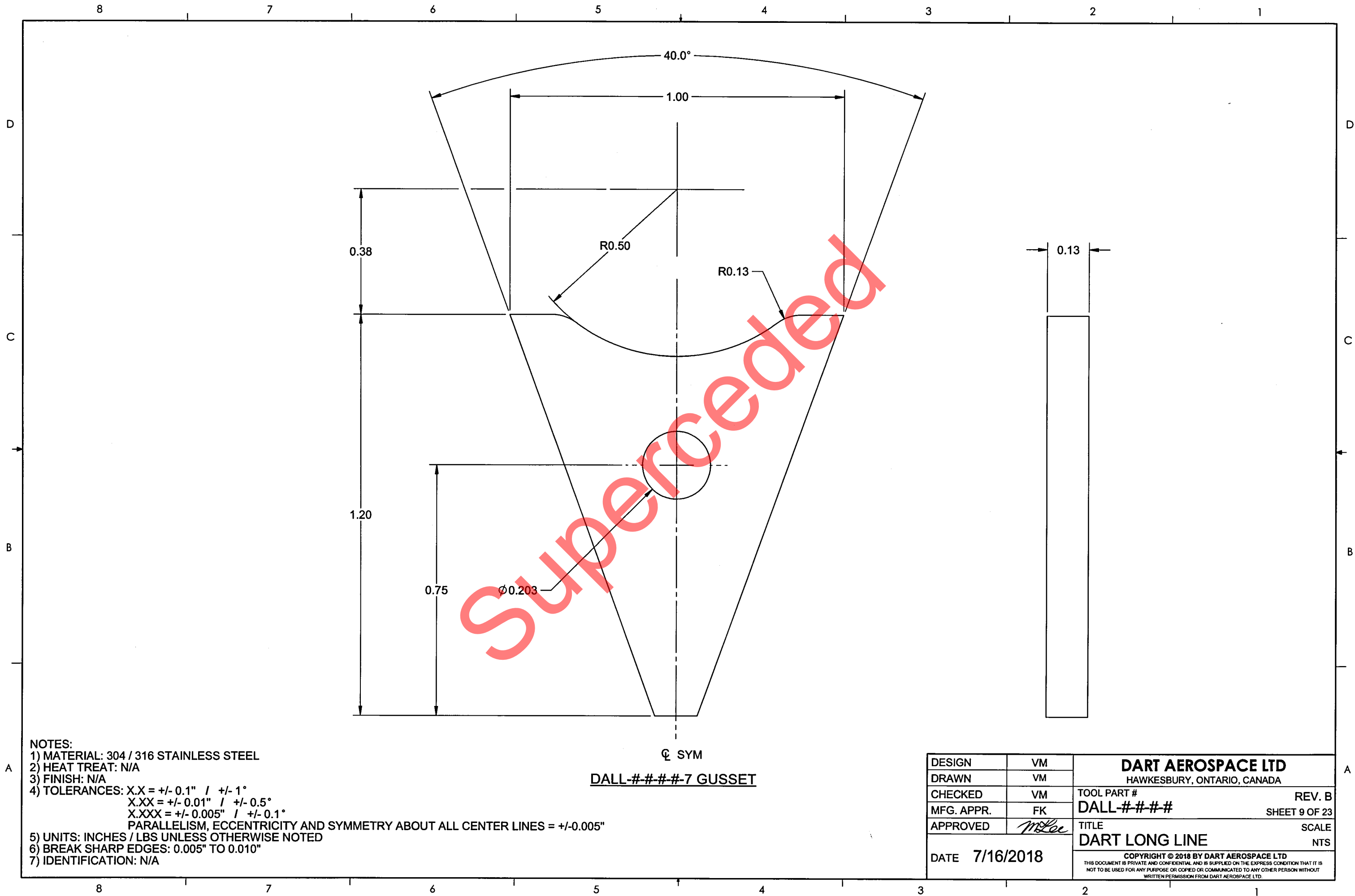
DALL-#-#-#-6 RETAINER



| TABLE 9 RETAINER | | | |
|-------------------------|------|------|--|
| RETAINER PART NUMBER | Ø ID | Ø OD | PURCHASE RAW MATERIAL (MCMaster CARR REF) |
| DALL-#-A-A-#-6 | 0.50 | 0.68 | 446335K241 / 44635K731 |
| DALL-#-C-A-#-6 | 0.62 | 0.84 | 44635K741 / 44635K251 |
| DALL-#-D-A-#-6 | 0.82 | 1.05 | 44635K751 / 44635K261 |
| DALL-#-F-A-#-6 | 0.95 | 1.30 | 4815T151 / 4804T151 |
| DALL-#-G-A-#-6 | 1.13 | 1.50 | 89495K48 |

NOTES:
1) MATERIAL: 304 / 316 STAINLESS STEEL, REFER TO TABLE 9
2) HEAT TREAT: N/A
3) FINISH: N/A
4) TOLERANCES: X.X = +/- 0.05" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
5) UNITS: INCHES / LBS UNLESS OTHERWISE NOTED
6) BREAK SHARP EDGES: N/A
7) IDENTIFICATION: N/A

| | | | |
|--|---------------|--|---------------|
| DESIGN | VM | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | |
| DRAWN | VM | | |
| CHECKED | VM | TOOL PART # | REV. B |
| MFG. APPR. | FK | DALL-#-#-# | SHEET 8 OF 23 |
| APPROVED | <i>M. Lee</i> | TITLE | SCALE |
| DATE 7/16/2018 | | DART LONG LINE | NTS |
| COPYRIGHT © 2018 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD. | | | |

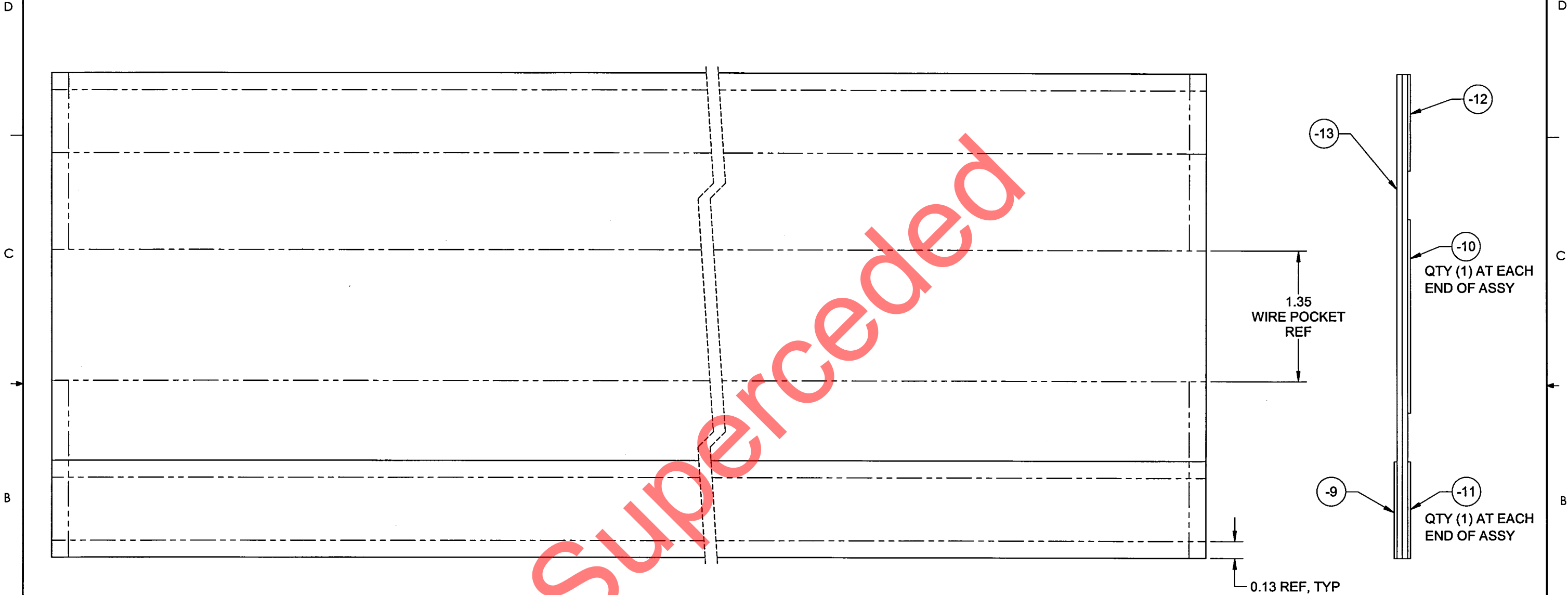


NOTES:
1) MATERIAL: 304 / 316 STAINLESS STEEL
2) HEAT TREAT: N/A
3) FINISH: N/A
4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
5) UNITS: INCHES / LBS UNLESS OTHERWISE NOTED
6) BREAK SHARP EDGES: 0.005" TO 0.010"
7) IDENTIFICATION: N/A

CL SYM
DALL-#-#-#-7 GUSSET

| | | | |
|--|-------------|--|---------------|
| DESIGN | VM | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | |
| DRAWN | VM | | |
| CHECKED | VM | TOOL PART # | REV. B |
| MFG. APPR. | FK | DALL-#-#-# | SHEET 9 OF 23 |
| APPROVED | <i>MLee</i> | TITLE | SCALE |
| DATE 7/16/2018 | | DART LONG LINE | NTS |
| COPYRIGHT © 2018 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD. | | | |

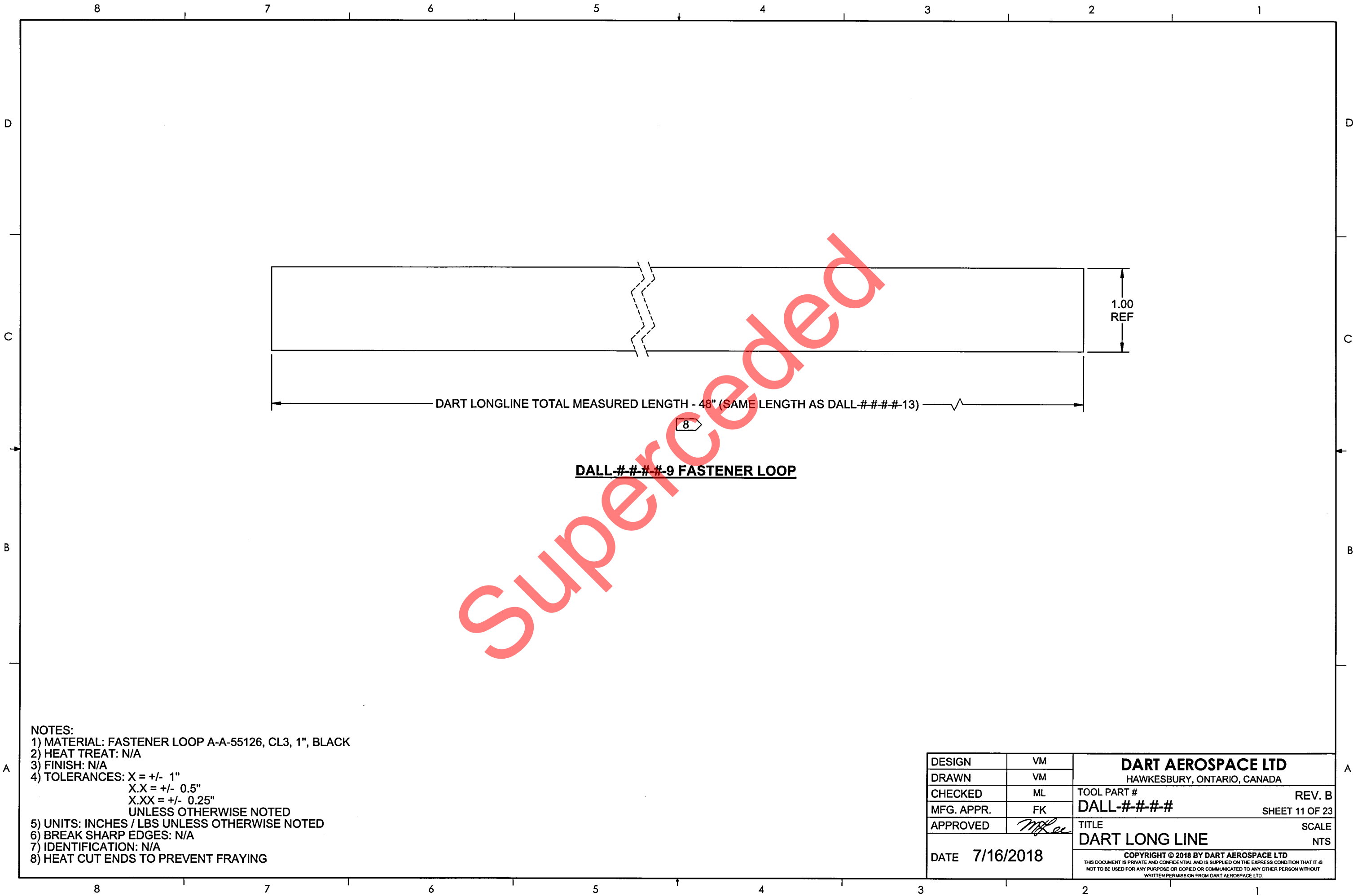
| ITEM # | QTY | PART # | PART TITLE |
|--------|-----|-------------|---------------|
| -9 | 1 | DALL-###-9 | FASTENER LOOP |
| -10 | 2 | DALL-###-10 | FASTENER HOOK |
| -11 | 2 | DALL-###-11 | FASTENER HOOK |
| -12 | 1 | DALL-###-12 | FASTENER HOOK |
| -13 | 1 | DALL-###-13 | ORANGE JACKET |



DALL-###-8 ORANGE JACKET ASSY

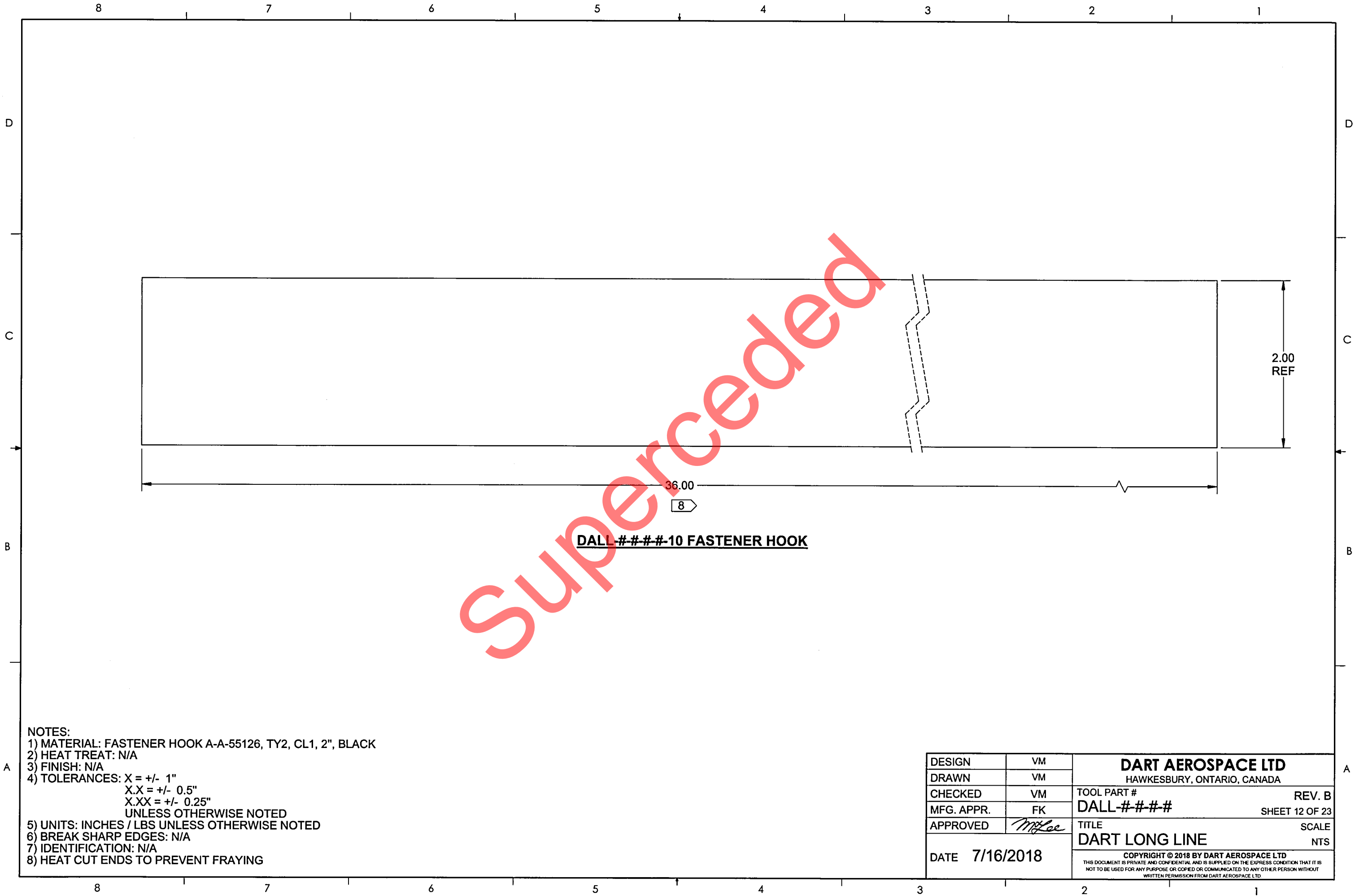
- NOTES:
- 1) MATERIAL: N/A
 - 2) HEAT TREAT: N/A
 - 3) FINISH: N/A
 - 4) TOLERANCES: X = +/- 1"
X.X = +/- 0.5"
X.XX = +/- 0.25"
UNLESS OTHERWISE NOTED
 - 5) UNITS: INCHES / LBS UNLESS OTHERWISE NOTED
 - 6) BREAK SHARP EDGES: N/A
 - 7) IDENTIFICATION: N/A
 - 8) SEW ITEMS TOGETHER AS SHOWN
 - 9) STITCHING TO BE IAW ASTM D6193, TYPE 301, 6-10 STITCHES PER INCH, MINIMUM (1/2IN) BACKSTITCH, (1/2IN) SEAM ALLOWANCE, (1/2IN) TURNBACKS WHERE SHOWN, (1/8IN) FROM EDGE, ADDITIONAL ROWS OF SEWING ARE ACCEPTABLE TO ASSIST IN ASSEMBLY
 - 10) PHANTOM LINES REPRESENT STITCHING
 - 11) FASTNER LOOP/HOOK MUST BE ALIGNED WITH END OF ORANGE JACKET BEFORE SEWING

| | | | |
|----------------|---------------|--|----------------|
| DESIGN | VM | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | |
| DRAWN | VM | | |
| CHECKED | VM | TOOL PART # | REV. B |
| MFG. APPR. | FK | DALL-###-# | SHEET 10 OF 23 |
| APPROVED | <i>M. Lee</i> | TITLE | SCALE |
| DATE 7/16/2018 | | DART LONG LINE | NTS |
| | | <small>COPYRIGHT © 2018 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small> | |



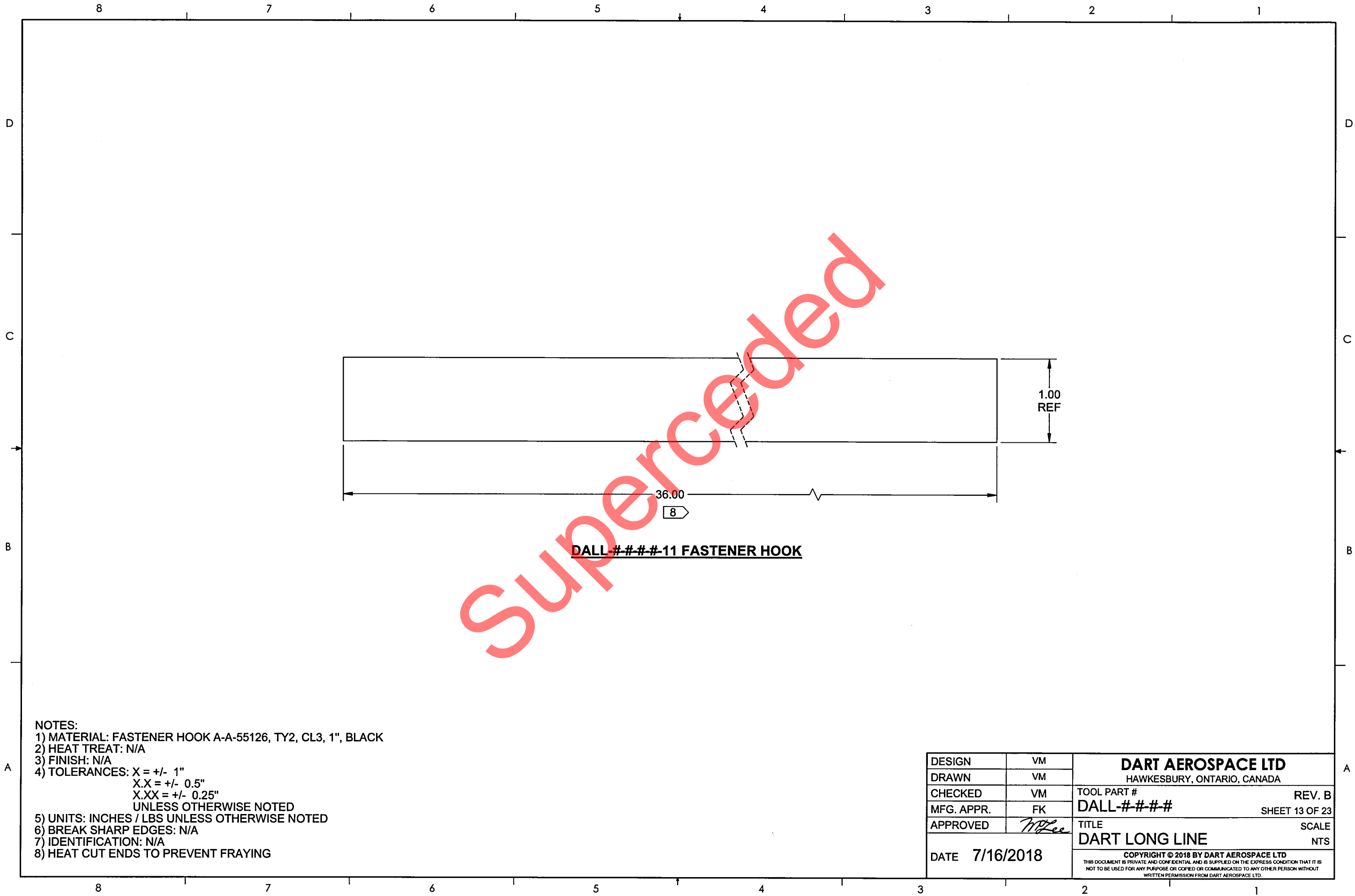
NOTES:
1) MATERIAL: FASTENER LOOP A-A-55126, CL3, 1", BLACK
2) HEAT TREAT: N/A
3) FINISH: N/A
4) TOLERANCES: X = +/- 1"
 X.X = +/- 0.5"
 X.XX = +/- 0.25"
 UNLESS OTHERWISE NOTED
5) UNITS: INCHES / LBS UNLESS OTHERWISE NOTED
6) BREAK SHARP EDGES: N/A
7) IDENTIFICATION: N/A
8) HEAT CUT ENDS TO PREVENT FRAYING

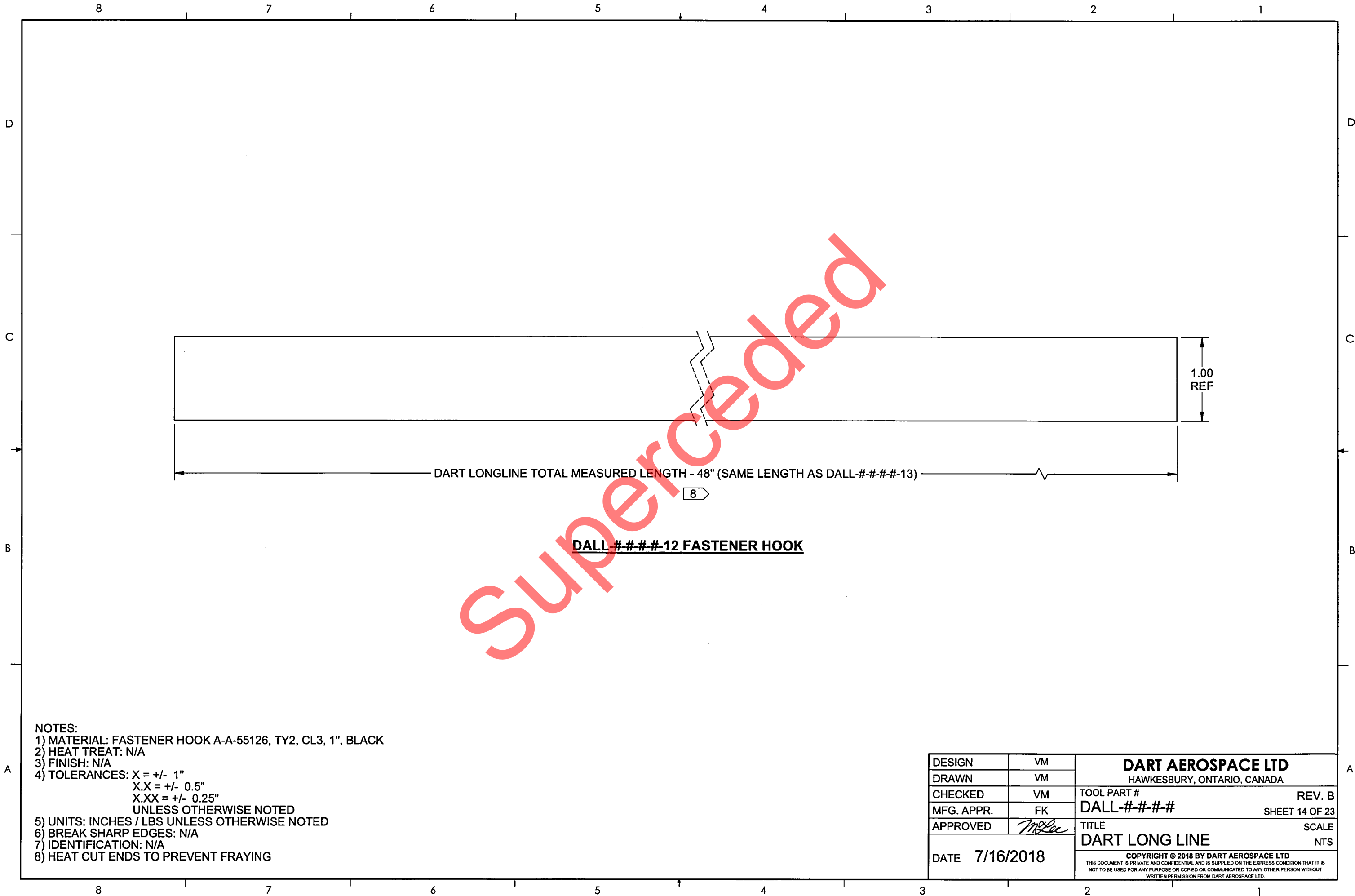
| | | | |
|----------------|---------------|---|----------------|
| DESIGN | VM | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | |
| DRAWN | VM | | |
| CHECKED | ML | TOOL PART # | REV. B |
| MFG. APPR. | FK | DALL-###-# | SHEET 11 OF 23 |
| APPROVED | <i>M. Lee</i> | TITLE | SCALE |
| DATE 7/16/2018 | | DART LONG LINE | NTS |
| | | COPYRIGHT © 2018 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small> | |

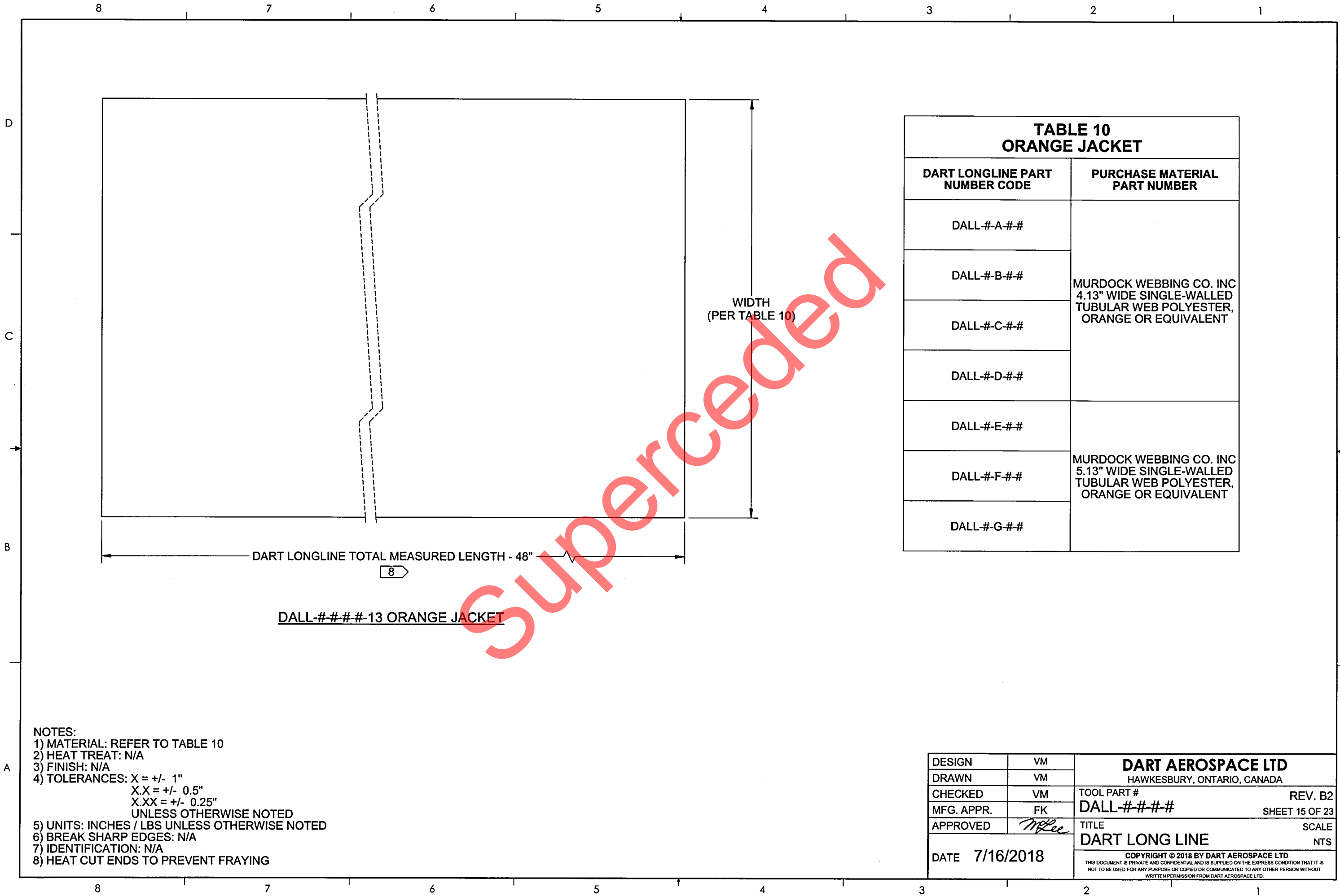


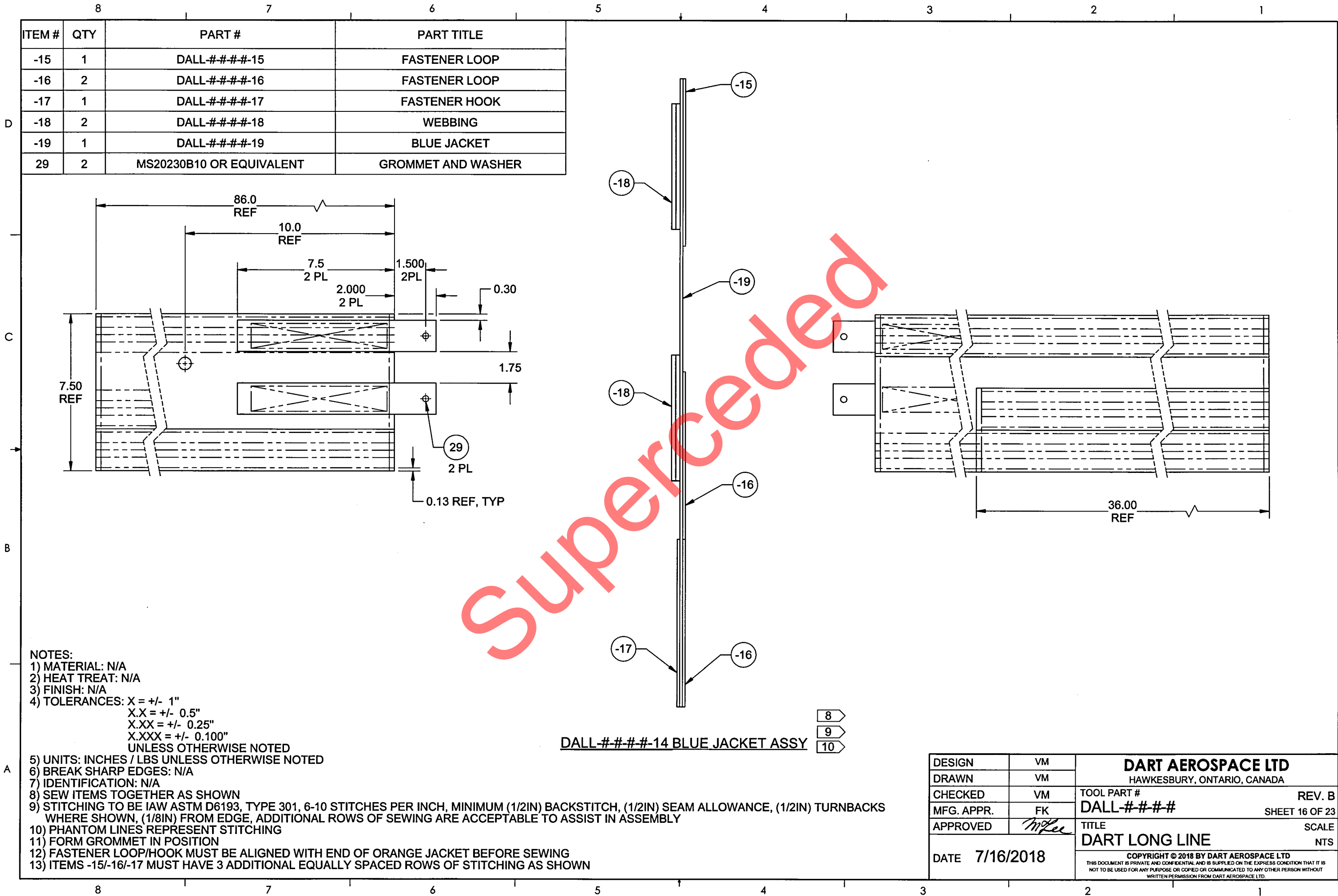
NOTES:
1) MATERIAL: FASTENER HOOK A-A-55126, TY2, CL1, 2", BLACK
2) HEAT TREAT: N/A
3) FINISH: N/A
4) TOLERANCES: X = +/- 1"
 X.X = +/- 0.5"
 X.XX = +/- 0.25"
 UNLESS OTHERWISE NOTED
5) UNITS: INCHES / LBS UNLESS OTHERWISE NOTED
6) BREAK SHARP EDGES: N/A
7) IDENTIFICATION: N/A
8) HEAT CUT ENDS TO PREVENT FRAYING

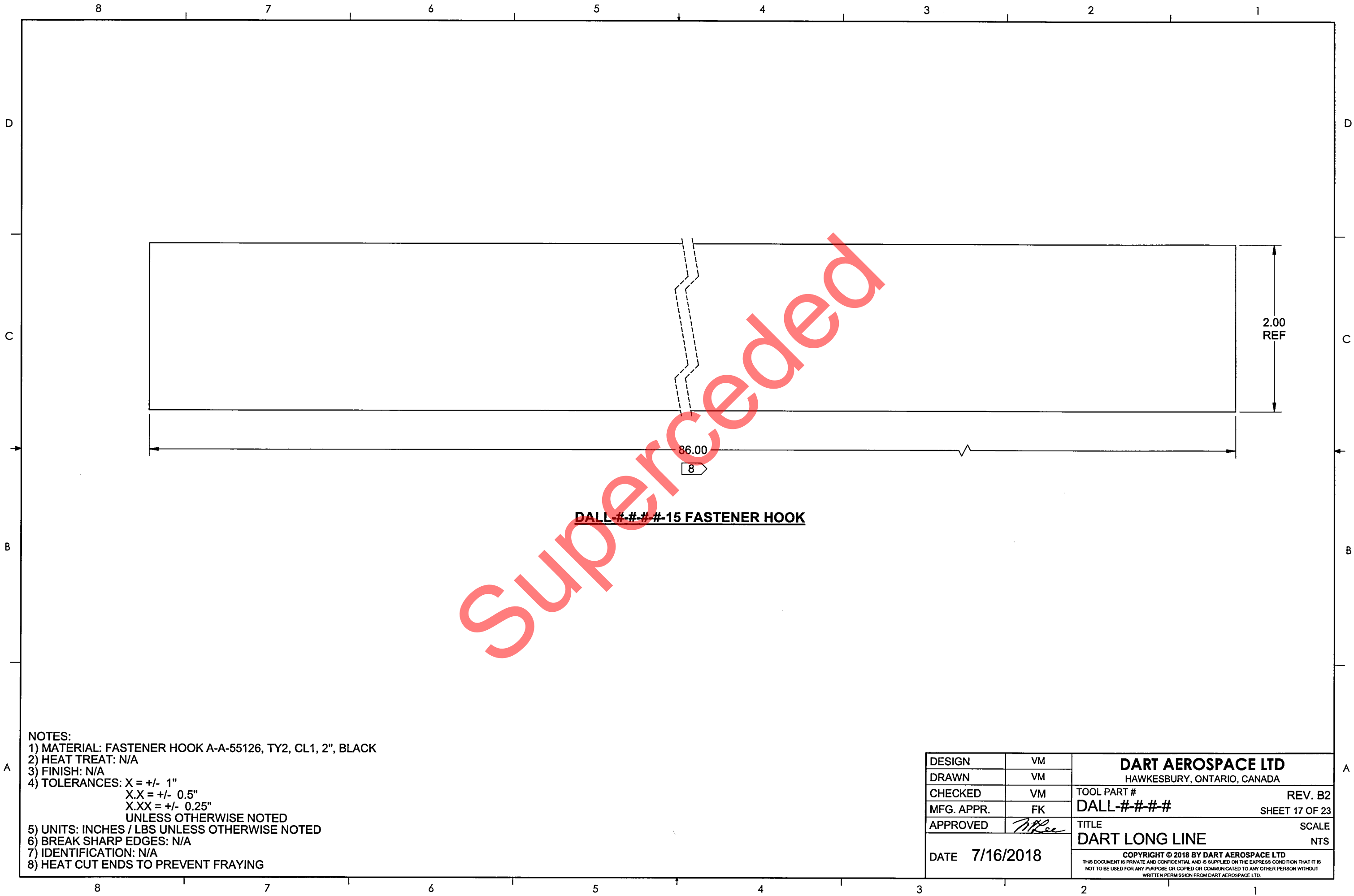
| | | | |
|----------------|--------------|---|----------------|
| DESIGN | VM | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | |
| DRAWN | VM | | |
| CHECKED | VM | TOOL PART # | REV. B |
| MFG. APPR. | FK | DALL-#-#-# | SHEET 12 OF 23 |
| APPROVED | <i>McLee</i> | TITLE | SCALE |
| DATE 7/16/2018 | | DART LONG LINE | NTS |
| | | <small>COPYRIGHT © 2018 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD</small> | |

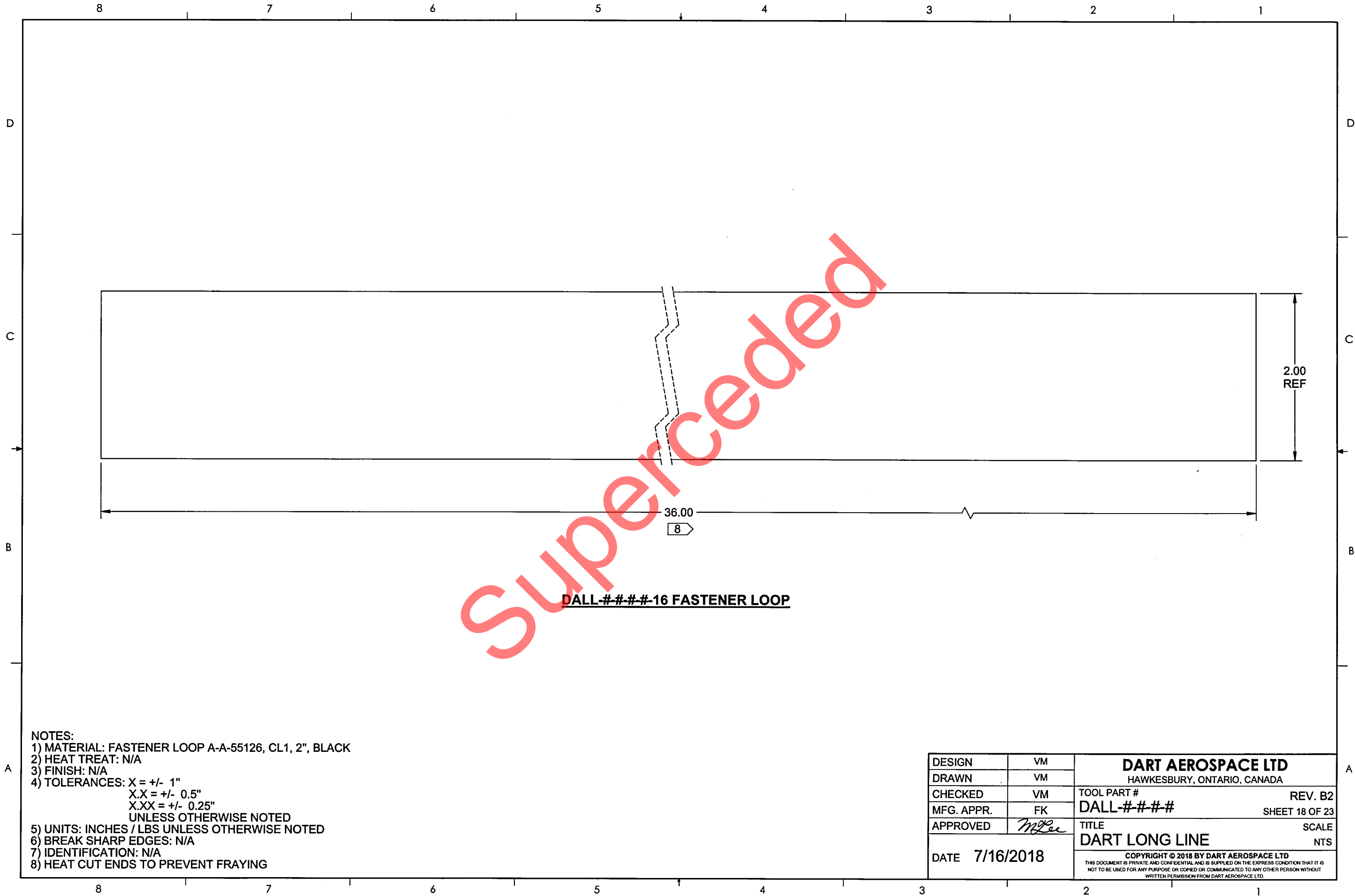






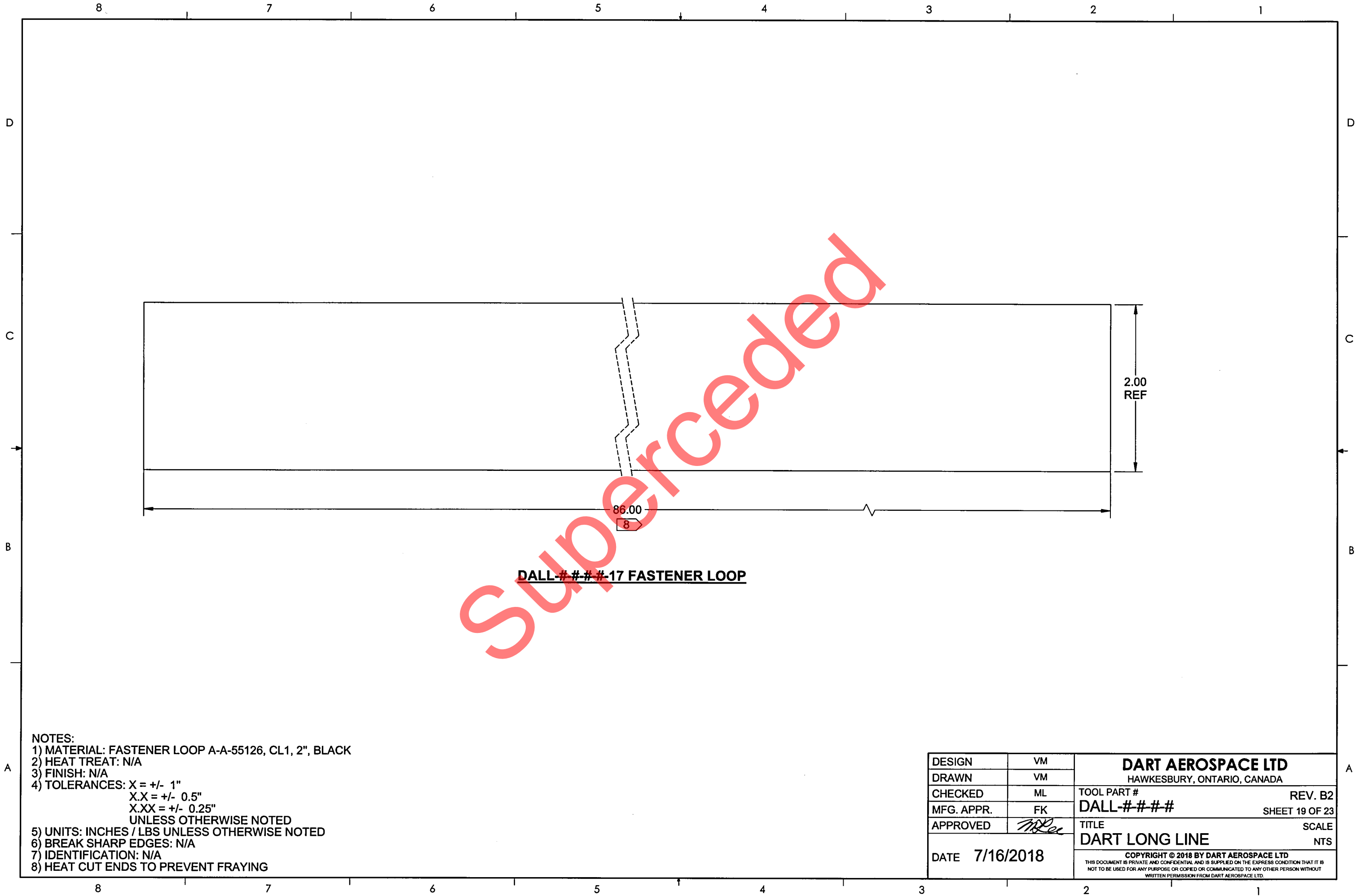






NOTES:
1) MATERIAL: FASTENER LOOP A-A-55126, CL1, 2", BLACK
2) HEAT TREAT: N/A
3) FINISH: N/A
4) TOLERANCES: X = +/- 1"
 X.X = +/- 0.5"
 X.XX = +/- 0.25"
 UNLESS OTHERWISE NOTED
5) UNITS: INCHES / LBS UNLESS OTHERWISE NOTED
6) BREAK SHARP EDGES: N/A
7) IDENTIFICATION: N/A
8) HEAT CUT ENDS TO PREVENT FRAYING

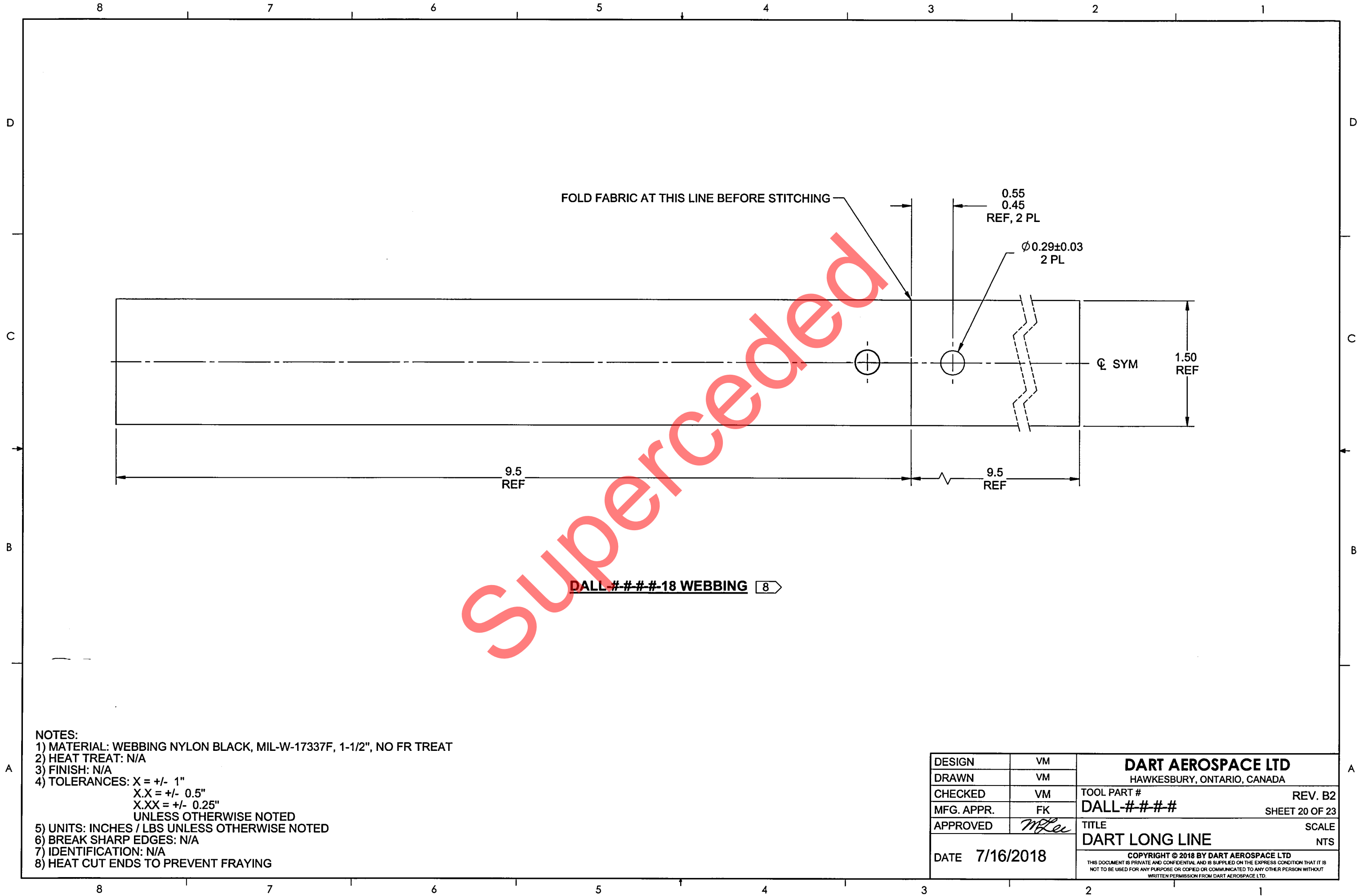
| | | | |
|----------------|-------------|--|----------------|
| DESIGN | VM | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | |
| DRAWN | VM | | |
| CHECKED | VM | TOOL PART # | REV. B2 |
| MFG. APPR. | FK | DALL-#-#-# | SHEET 18 OF 23 |
| APPROVED | <i>MZee</i> | TITLE | SCALE |
| DATE 7/16/2018 | | DART LONG LINE | NTS |
| | | <small>COPYRIGHT © 2018 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small> | |

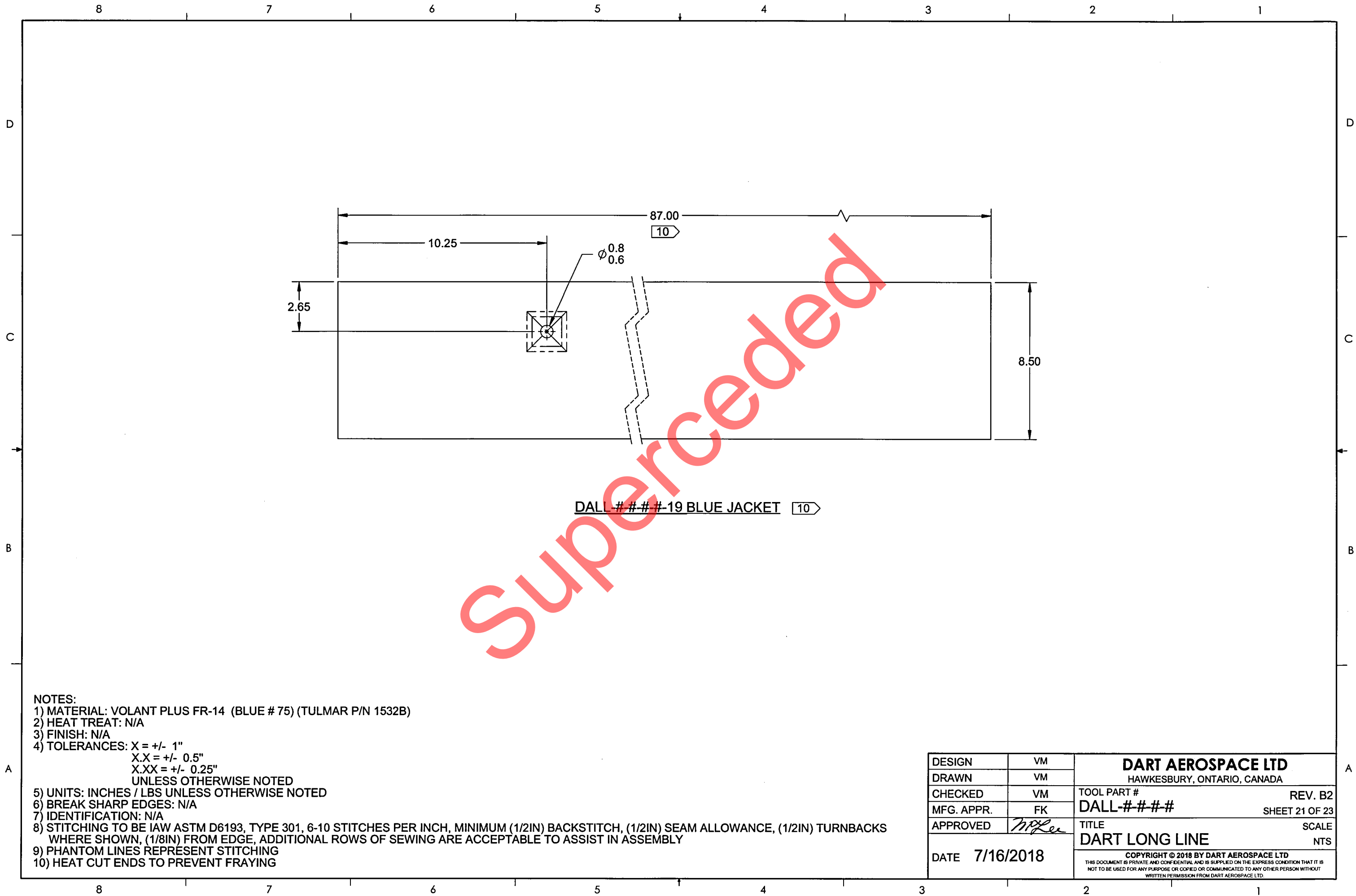


- NOTES:
- 1) MATERIAL: FASTENER LOOP A-A-55126, CL1, 2", BLACK
 - 2) HEAT TREAT: N/A
 - 3) FINISH: N/A
 - 4) TOLERANCES: X = +/- 1"
X.X = +/- 0.5"
X.XX = +/- 0.25"
UNLESS OTHERWISE NOTED
 - 5) UNITS: INCHES / LBS UNLESS OTHERWISE NOTED
 - 6) BREAK SHARP EDGES: N/A
 - 7) IDENTIFICATION: N/A
 - 8) HEAT CUT ENDS TO PREVENT FRAYING

~~DALL-#-#-#~~-17 FASTENER LOOP

| | | | |
|----------------|--------------------|--|----------------|
| DESIGN | VM | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | |
| DRAWN | VM | | |
| CHECKED | ML | TOOL PART # | REV. B2 |
| MFG. APPR. | FK | DALL-#-#-# | SHEET 19 OF 23 |
| APPROVED | <i>[Signature]</i> | TITLE | SCALE |
| DATE 7/16/2018 | | DART LONG LINE | NTS |
| | | <small>COPYRIGHT © 2018 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small> | |





NOTES:

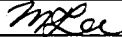
- 1) MATERIAL: VOLANT PLUS FR-14 (BLUE # 75) (TULMAR P/N 1532B)
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: X = +/- 1"
X.X = +/- 0.5"
X.XX = +/- 0.25"
UNLESS OTHERWISE NOTED
- 5) UNITS: INCHES / LBS UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: N/A
- 7) IDENTIFICATION: N/A
- 8) STITCHING TO BE IAW ASTM D6193, TYPE 301, 6-10 STITCHES PER INCH, MINIMUM (1/2IN) BACKSTITCH, (1/2IN) SEAM ALLOWANCE, (1/2IN) TURNBACKS
WHERE SHOWN, (1/8IN) FROM EDGE, ADDITIONAL ROWS OF SEWING ARE ACCEPTABLE TO ASSIST IN ASSEMBLY
- 9) PHANTOM LINES REPRESENT STITCHING
- 10) HEAT CUT ENDS TO PREVENT FRAYING

| | | | |
|----------------|--------------------|--|----------------|
| DESIGN | VM | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | |
| DRAWN | VM | | |
| CHECKED | VM | TOOL PART # | REV. B2 |
| MFG. APPR. | FK | DALL-##-## | SHEET 21 OF 23 |
| APPROVED | <i>[Signature]</i> | TITLE | SCALE |
| DATE 7/16/2018 | | DART LONG LINE | NTS |
| | | COPYRIGHT © 2018 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD. | |

| | | | | | | | |
|--|---|---|---|---|---|---|---|
| 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
| D | | | | | | | D |
| | | | | | | | |
| C | | | | | | | C |
| | | | | | | | |
| B | | | | | | | B |
| | | | | | | | |
| A | | | | | | | A |
| <div>NOTES: 1) MATERIAL: ELECTRICAL CABLE MUST BE ONE OF THE FOLLOWING TYPES: SOOW / SJOOW / SJTOW WIRE, REFER TO TABLE 11 2) HEAT TREAT: N/A 3) FINISH: N/A 4) TOLERANCES: N/A 5) UNITS: INCHES / LBS UNLESS OTHERWISE NOTED 6) BREAK SHARP EDGES: N/A 7) IDENTIFICATION: N/A</div> | | | | | | | |
| 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |

| TABLE 11 ELECTRICAL | | |
|-----------------------------------|---|--------------------------------|
| DART LONGLINE PART NUMBER CODE | PURCHASE WIRE PART NUMBER (MCMaster CARR REF) | ELECTRICAL WIRE DESCRIPTION |
| DALL-###-A | 7422K24 | 3 CONDUCTOR 14 GA |
| DALL-###-B | 7422K26 | 3 CONDUCTOR 12 GA |
| DALL-###-C | 7422K25 | 4 CONDUCTOR 14 GA |
| DALL-###-D | 7081K37 | 6 CONDUCTOR 16 GA |
| DALL-###-E | 7081K38 | 8 CONDUCTOR 16 GA |
| DALL-###-F | N/A | NO ELECTRICAL |

~~DALL-###-20 ELECTRICAL WIRE~~

| | | | |
|---|---|---|----------------|
| DESIGN | VM | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | |
| DRAWN | VM | | |
| CHECKED | VM | TOOL PART # | REV. B2 |
| MFG. APPR. | FK | DALL-###-# | SHEET 22 OF 23 |
| APPROVED |  | TITLE | SCALE |
| DATE 7/16/2018 | | DART LONG LINE | NTS |
| COPYRIGHT © 2018 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small> | | | |

